



SEX: Male
AGE: 34

CLIENT #: 39238
DOCTOR: , MD
Neurological Research Institute Llc
279 Walkers Mills Rd
Bethel, ME 04217 U.S.A.

Suggestions for your consideration.
As always, work with your Doctor.
With love & hope, Dr. Amy

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	1.4	< 7.0	
Antimony (Sb)	0.028	< 0.066	
Arsenic (As)	0.027	< 0.080	
Barium (Ba)	0.27	< 1.0	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.018	< 2.0	
Cadmium (Cd)	< 0.009	< 0.065	
Lead (Pb)	0.12	< 0.80	
Mercury (Hg)	1.5	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.006	< 0.060	
Nickel (Ni)	0.07	< 0.20	
Silver (Ag)	0.01	< 0.08	
Tin (Sn)	0.06	< 0.30	
Titanium (Ti)	0.17	< 0.60	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 th 16 th 50 th 84 th 97.5 th
Calcium (Ca)	697	200- 750	
Magnesium (Mg)	83	25- 75	
Sodium (Na)	33	20- 180	
Potassium (K)	5	9- 80	
Copper (Cu)	18	11- 30	
Zinc (Zn)	190	130- 200	
Manganese (Mn)	0.07	0.08- 0.50	
Chromium (Cr)	0.37	0.40- 0.70	
Vanadium (V)	0.012	0.018- 0.065	
Molybdenum (Mo)	0.020	0.025- 0.060	
Boron (B)	0.52	0.40- 3.0	
Iodine (I)	0.28	0.25- 1.8	
Lithium (Li)	< 0.004	0.007- 0.020	
Phosphorus (P)	128	150- 220	
Selenium (Se)	0.48	0.70- 1.2	
Strontium (Sr)	1.1	0.30- 3.5	
Sulfur (S)	48500	44000- 50000	
Cobalt (Co)	0.005	0.004- 0.020	
Iron (Fe)	5.4	7.0- 16	
Germanium (Ge)	0.036	0.030- 0.040	
Rubidium (Rb)	0.004	0.011- 0.12	
Zirconium (Zr)	0.093	0.020- 0.44	

SPECIMEN DATA		RATIOS	
COMMENTS:		ELEMENTS	RATIOS
Date Collected: 12/26/2017		Ca/Mg	8.4
Date Received: 01/02/2018		Ca/P	5.45
Date Completed: 01/05/2018		Na/K	6.6
Methodology: ICP/MS		Zn/Cu	10.6
Sample Size: 0.196 g	Sample Type: Head	Zn/Cd	> 999
Hair Color:	Treatment:	RANGE	
Shampoo:		4- 30	
		0.8- 8	
		0.5- 10	
		4- 20	
		> 800	

1. Brain fog, lack of concentration and focus
2. Wisdom teeth extracted in 2011, #3 extracted in 2017, first root canal in 2000, no braces. first amalgam place in 2006, they have since been removed and replaced (unsafely) a few times. Currently still have Three root canals, and 3 amalgams that are set to be removed (safely) at the end of this month.
4. I believe that my mother had amalgams in place during pregnancy
5. Fully vaccinated as a child, no flu shots for as long as I can remember
6. Taking core 4 supplements for approx. 2 weeks before hair test, no other medication or supplements
7. 34y/o, 6'0, 170lbs.
9. Canton, Ohio U.S.A